Attorney's Docket No. 1033963-000025

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	)
	)
Mark Lawrence Williams	) Group Art Unit:
	)
Application No.:	) Examiner:
	)
Filed: June 6, 2006	) Confirmation No.:
	)
For: NETWORKS	)
	)

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

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Substitute for form 1449/PTO & 1449B/PTO	Complete if Known	
FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application	10/581791
	Filing Date	June 6, 2006
	First Named Inventor	Mark Lawrence WILLIAMS
	Examiner Name	
Sheet 1 of 1	Attorney Docket No.	1033963-000025

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	* LIDS Technical report #2601, "Using Sample-based Representations Under Communications Constraints", Ihler et al., Revised December 2004 accessed from internet at http://ssg.mit.edu/~ihler/papers/TR2601.pdf pages 1-17
	* Coates M.: "Distributed particle filters for sensor networks" THIRD INTERNATIONAL SYMPOSIUM ON INFORMATION PROCESSING IN SENSOR NETWORKS ACM NEW YORK, NY, USA, 26 April 2004 (2004-04-06), - 27 April 2004 (2004-04-27), pages 99-107, XP002335206 ISBN: 1-58113-846-6
	* VAN DER MERWE R ET AL: "Gaussian mixture sigma-point particle filters for sequential probabilistic inference in dynamic state-space models" 2003 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, PRECEEDINGS. (ICASSP). Hong Kong, IEEE, US, vol. 1 of 6, 6 April 2003 (2003-04-06), - 10 April 2003 (2003-04-10) pages VI701-VI704, XP10640848
	* M ROSENCRANTZ, G. GORDON, S. THRUN: "Decentralized Sensor Fusion with Distributed Particle Filters" PROC. CONF. UNCERTAINTY IN ARTIFICIAL INTELLIGENCE, 7 August 2003 (2003-08-07) XP002335207 Acapulco, Mexico
	* SIDENBLADH H: "Multi-target particle filtering for the probability hypothesis density" INFORMATION FUSION, 2003. PROCEEDING OF THE SIXTH INTERNATIONAL CONFERENCE PISCATAWAY, NJ, USA, IEEE, vol. 2, 8 July 2003 (2003-07-08), - 11 July 2003 (2003-07-11) pages 800-806, XP010675628 * Chapter 4*
	* TOBIAS M ET AL: "A probability hypothesis 1-9 density-based multitarget tracker using multiple bistatic range and velocity measurements" SYSTEM THEORY, 2004. Proceedings of the thirty-sixth southeastern symposium on Atlanta, GA, USA March 14-16, 2004, Piscataway, NJ, USA, IEEE, 14 March 2004 (2004 03-14), pages 205-209, XP010703817 ISBN: 0-7803-8281-1
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	* KOTECHA J H et al. "Gaussian sum particle filtering" IEEE Transactions on Signal Processing IEEE USA, vol. 51, no. 10, October 2003 (2003-10), pages 2602-2612, XP002335209 ISSN: 1053-587X *abstract*
	* ARULAMPALAM M S et al: "A tutorial on particle filters for online nonlinear/non-Gaussian Bayesian tracking" IEEE Transactions on signal processing IEEE USA, vol. 50, no. 2, February 2002 (2002-02), pages 174-188, XP002335210 ISSN: 1053-587X *the whole document*

* Copy Attached

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to Applicant.